

What is claimed is:

1. A wall block system having at least three blocks, multiples of the three blocks being suitable for use in constructing a wall from multiple courses of the blocks stacked one upon the other, the wall having a front surface with an irregular block pattern, the wall block system comprising:
  - first, second, and third blocks, each block having a thickness, width and length, the width of each block being different;
  - each block having an upper surface spaced apart from an opposed lower surface, thereby defining the block thickness, the upper surface having a plurality of pin receiving apertures, the lower surface having a channel;
  - each block having opposed first and second faces, thereby defining the block length;
  - each block having opposed side surfaces, thereby defining the block width; and
  - a plurality of pins, each pin having a head portion and a body portion, the body portion of each pin being sized to be received in a pin receiving aperture, the head portion being larger than a pin receiving aperture and being sized to be received in a channel, the pins being configured such that when the wall is constructed from the wall block system, the head portion is configured to be received within the channel of the lower surface of a block in a first course of the wall and the body portion is configured to be received in one of the pin receiving apertures of a block in a next lower course of the wall.
2. The wall block system of claim 1 wherein the channel is parallel to and equidistant from the first and second faces.
3. The wall block system of claim 1 wherein the first, second and third blocks comprise a core extending the thickness of the block.

4. A wall having a front surface and a rear surface, the wall comprising:  
at least a first lower course and a second upper course, each  
course comprising a plurality of first, second, and third blocks;  
5 each block having an upper surface spaced apart from an opposed  
lower surface, thereby defining a block thickness, the upper surface  
having a plurality of pin receiving apertures, the lower surface having a  
channel;  
each block having opposed first and second faces, thereby  
10 defining a block length;  
each block having opposed side surfaces, thereby defining a  
block width, the width of the first, second, and third blocks being  
different; and  
a plurality of pins, each pin having a head portion and a body  
15 portion, the body portion of each pin being sized to be received in a pin  
receiving aperture, the head portion being larger than a pin receiving  
aperture and being sized to be received in a channel, the pins being  
configured such that when the wall is constructed, the head portion is  
configured to be received within the channel of the lower surface of a  
20 block in a first course of the wall and the body portion is configured to  
be received in one of the pin receiving apertures of a block in a next  
lower course of the wall.
5. A wall block system having at least three blocks, multiples of the three  
25 blocks being suitable for use in constructing a wall from multiple courses of the  
blocks stacked one upon the other, the wall having a front surface with an  
irregular block pattern, the wall block system comprising:  
first, second, and third blocks, each block having a thickness,  
width and length, the width of each block being different;  
30 each block having an upper surface spaced apart from a lower  
surface, thereby defining a block thickness;

each block having opposed first and second faces, thereby defining the block length, the area of the first face being greater than the area of the second face;

5 each block having opposed and non-parallel side surfaces, thereby defining the block width, the first and second faces being orthogonal to one of the side surfaces; and

10 the first, second, and third blocks being configured such that they are capable of being positioned when constructing the wall such that the front surface of the wall is comprised of the first faces of a plurality of the first blocks, the second faces of a plurality of the second blocks and the second faces of a plurality of the third blocks to thereby provide a front wall surface having the irregular block pattern.

6. The wall block system of claim 5 wherein the upper surface of each of  
15 the three blocks has first, second, and third pin receiving apertures aligned along first, second, and third axes which are substantially perpendicular to the upper and lower surfaces, the third pin receiving aperture being substantially equidistant between the first and second faces, the first pin receiving aperture being between the first face and the third pin receiving aperture and the second  
20 pin receiving aperture being between the second face and the third pin receiving aperture, the first, second, and third pin receiving apertures being arranged in a row perpendicular to the first and second faces.

7. The wall block system of claim 6 wherein the lower surface of the block  
25 comprises a channel that is parallel to and equidistant from the first and second faces, further comprising a plurality of pins, each pin having a head portion and a body portion, the pins being configured such that when the wall is constructed from the wall block system, the head portion is configured to be received within the channel of the lower surface of a block in a first course of  
30 the wall and the body portion is configured to be received in one of the pin receiving apertures of the second block in a next lower course of the wall.

8. The wall block system of claim 7 wherein, when no setback between the courses is desired, the body portion of the pin is configured to be received in the third pin receiving aperture.

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9. The wall block system of claim 7 wherein, when setback between courses of the wall is desired, the body portion of the pin is configured to be received in the second pin receiving aperture of the second block where the second block is positioned such that its first face is part of the front surface of the wall and in the first pin receiving aperture of the second block where the second block is positioned such that its second face is part of the front surface of the wall.

10. The wall block system of claim 6 wherein the first and second pin receiving apertures are equidistant from the third pin receiving aperture.

11. The wall block system of claim 5 wherein the lower surface of the block comprises a channel that is parallel to and equidistant from the first and second faces.

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12. The wall block system of claim 5 wherein the block comprises a core extending the thickness of the block.

13. A wall having a front surface and a rear surface, the wall comprising:  
at least a first lower course and a second upper course, each course comprising a plurality of first, second, and third blocks;  
each block having an upper surface spaced apart from a lower surface, thereby defining a block thickness;  
each block having opposed and substantially parallel first and second faces, thereby defining a block length, the area of the first face being greater than the area of the second face;

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each block having opposed and non-parallel side surfaces,  
thereby defining a block width, the first and second faces being  
orthogonal to one of the side surfaces, the width of the first, second, and  
third blocks being different; and

5           the blocks being positioned in the courses such that the front  
surface of the wall is comprised of the first faces of a plurality of the  
first blocks, the second faces of a plurality of the second blocks and the  
second faces of a plurality of the third blocks to thereby provide a front  
wall surface having the irregular block pattern.

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14.   The wall of claim 13 wherein the upper surface of each block has first,  
second, and third pin receiving apertures aligned along first, second, and third  
axes which are substantially perpendicular to the upper and lower surfaces, the  
third pin receiving aperture being substantially equidistant between the first and  
15   second faces, the first pin receiving aperture being between the first face and  
the third pin receiving aperture and the second pin receiving aperture being  
between the second face and the third pin receiving aperture, the first, second,  
and third pin receiving apertures being arranged in a row perpendicular to the  
first and second faces.

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15.   The wall of claim 14 wherein the first and second pin receiving  
apertures are equidistant from the third pin receiving aperture.

16.   The wall of claim 13 wherein the lower surface of the block comprises a  
25   channel that is parallel to and equidistant from the first and second faces.

17.   The wall of claim 13 wherein the block comprises a core extending the  
thickness of the block.

30   18.   The wall of claim 14 further comprising a plurality of pins, each pin  
having a head portion and a body portion, the head portion being configured to

be received within the channel of the lower surface of the block in a first course of the wall and the body portion being configured to be received in a pin receiving aperture of the second block in a next lower course of the wall.

5     19.     The wall of claim 18 wherein the front surface of the wall is substantially vertical and wherein the body portion of the pin is configured to be received in the third pin receiving aperture.

10     20.     The wall of claim 18 wherein the second course is setback from the first course and wherein the body portion of the pin is configured to be received in the second pin receiving aperture of the second block when the second block is positioned such that its first face is part of the front surface of the wall and in the first pin receiving aperture of the second block when the second block is positioned such that its second face is part of the front surface of the wall.

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21.     A method for constructing a wall from wall blocks laid in multiple courses, one upon the other, such that the wall has a front surface with an irregular block pattern, the method comprising:

20             providing wall blocks having an upper surface spaced apart from a lower surface, thereby defining a block thickness, opposed and substantially parallel first and second faces, the first face having an area greater than the second face, opposed and non-parallel side surfaces, the first and second faces being orthogonal to one of the side surfaces, the first and second faces together with the upper, lower and side surfaces forming a block body; and

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             laying the wall blocks in a first course of the wall and a second course of the wall such that the front surface of the wall is formed of the first faces of a plurality of the wall blocks and the second faces of a plurality of the wall blocks.

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22. The method of claim 21 wherein the step of providing the wall blocks includes providing blocks having an attachment system allowing blocks in one course to be attached to blocks in the next lower course.

5 23. The method of claim 22 further comprising attaching the blocks in the second course to the blocks in the first course in a manner that results in construction of a substantially vertical wall.

24. The method of claim 22 further comprising attaching the blocks in the  
10 second course to the blocks in the first course in a manner that results in a wall having a front surface which is angled from the vertical.

25. A method for constructing a wall from blocks laid in multiple courses, one upon the other, such that the wall has a front surface with an irregular  
15 block pattern, the method comprising:

providing a wall block system which includes blocks of at least three sizes including first, second, and third blocks, each block having a thickness, width and length, the width of each block being different, each block having an upper surface spaced apart from a lower surface,  
20 thereby defining the block thickness, each block having opposed and substantially parallel first and second faces, thereby defining the block length, the area of the first face being greater than the area of the second face, each block having opposed and non-parallel side surfaces, thereby defining the block width, the first and second faces being orthogonal to  
25 one of the side surfaces; and

laying the first, second, and third blocks in the first and second courses such that the front surface of the wall is comprised of the first faces of a plurality of the first and third blocks and the second faces of a plurality of the second blocks to thereby provide a front wall surface  
30 having the irregular block pattern.

26. The method of claim 25 wherein the step of providing wall blocks includes providing the wall block system includes providing blocks having an attachment system allowing the blocks in one course to be attached to the blocks in the next lower course.

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27. The method of claim 26 further comprising attaching the blocks in the second course to the blocks in the first course in a manner that results in construction of a substantially vertical wall.

10 28. The method of claim 26 further comprising attaching the blocks in the second course to the blocks in the first course in a manner that results in construction of a wall having a front surface which is angled from the vertical.

29. A wall block for use in forming a wall from multiple wall blocks, the wall having a front surface and a rear surface, the wall block comprising:

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an upper surface spaced apart from a substantially parallel lower surface, thereby defining a block thickness;

opposed and substantially parallel first and second faces, the first face having an area greater than the second face;

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opposed and non-parallel side surfaces, the first and second faces being orthogonal to one of the side surfaces, the first and second faces together with the upper, lower and side surfaces forming a block body;

and

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wherein the block body is configured such that when the wall is constructed from the blocks, the front surface of the wall is formed of the first faces of a portion of the multiple wall blocks and the second faces of others of the multiple wall blocks.

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